

Converting Colors

$Yxy(18.9386, 0.3195, 0.4605)$

Have a look what the booklet for
Yxy(18.9386, 0.3195, 0.4605)
contains.

Yxy(18.8552, 0.3188, 0.4597)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.8552, 0.3188, 0.4597)

Conversions

Conversions Part 1

Format	Color
Hex	548448
RGB	84, 132, 72
RGB Percent	33%, 52%, 28%
CMY	0.6707, 0.4823, 0.7175
CMYK	0.36, 0.00, 0.45, 0.48
HSL	108°, 29%, 40%
HSV	108°, 45%, 52%
XYZ	13.0760, 18.8552, 9.0851
YIQ	110.8080, -9.3480, -28.8360

Conversions

Conversions Part 2

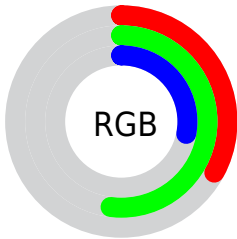
Format	Color
R_{YB}	72, 132, 120
Decimal	5538888
CIE _{Lab}	50.52, -28.60, 27.29
CIE _{LCh}	51, 39.529, 136.339
Yxy	18.8552, 0.3188, 0.4597
Android (android.graphics.Color)	4283728968 (0xFF548448)
YUV	110.8080, -19.1323, -23.5106
Hunter-Lab	43.4226, -22.2371, 17.9908

Details

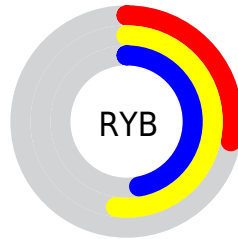
The Yxy color **18.8552, 0.3188, 0.4597** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3012, 0.2991, 0.2164**, and the grayscale version is **15.8957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3373, 0.3194, 0.4257**, and **6.4492, 0.3133, 0.5230** is the 20% darker color. If you saturate the color by 10%, you get **18.2504, 0.3186, 0.4922**, and if you desaturate by 10%, it is **19.5722, 0.3182, 0.4274**.

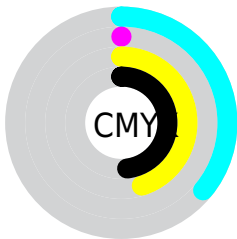
Distribution



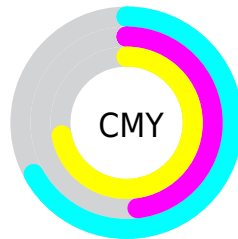
- Red (33%)
- Green (52%)
- Blue (28%)



- Red (28%)
- Yellow (52%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)





- Cyan (67%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8552, 0.3188, 0.4597 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.8552, 0.3188, 0.4597 by changing the saturation by 10% instead.


 18.8552, 0.3188,
0.4597


 18.8552, 0.3188,
0.4597


245.6482, 0.3179,
0.3809


 11.5657, 0.3173,
0.4855


 41.4893, 0.3194,
0.4270

 6.4487, 0.3134,
0.5231


 57.6026, 0.3193,
0.4160


 3.1198, 0.3060,
0.5875


 77.4261, 0.3191,
0.4072

 1.1946, 0.2549,
0.7451

 101.3440, 0.3189,
0.4000

 0.0573, 0.0000,
1.0000

 129.7408, 0.3186,
0.3940

 0.0000, 0.0000,
0.0000

163.0008, 0.3184,

0.3890

201.5085, 0.3181,
0.3846

■ 18.8552, 0.3188,
0.4597

■ 18.8552, 0.3188,
0.4597

■ 18.2504, 0.3186,
0.4922

■ 19.5722, 0.3182,
0.4274

■ 17.7497, 0.3176,
0.5231

■ 20.4044, 0.3171,
0.3965

■ 17.3478, 0.3156,
0.5504

■ 21.3573, 0.3155,
0.3679


■ 17.0377, 0.3128,
0.5722

■ 22.4356, 0.3137,
0.3420

■ 16.8105, 0.3094,
0.5875

■ 23.6438, 0.3118,
0.3188

 16.7277, 0.3082,
0.5935

 24.9859, 0.3099,
0.2982

 26.4661, 0.3079,
0.2802

 28.0879, 0.3061,
0.2644

 29.8552, 0.3043,
0.2506

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.8552, 0.3889, 0.4607



18.8552, 0.3188, 0.4597



18.8552, 0.2508, 0.4063

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.8552, 0.3188, 0.4597



18.8552, 0.1934, 0.2247



18.8552, 0.4337, 0.3143

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.8552, 0.3188, 0.4597



10.3012, 0.2991, 0.2164

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.8552, 0.3683, 0.2658



18.8552, 0.3188, 0.4597



18.8552, 0.2300, 0.2159

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.8552, 0.3188, 0.4597



18.8552, 0.1840, 0.2613



18.8552, 0.2920, 0.2310



18.8552, 0.4609, 0.3691

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.8552, 0.3188, 0.4597



18.8552, 0.2159, 0.3535



18.8552, 0.2920, 0.2310



18.8552, 0.4150, 0.2971

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.8560, 0.3188, 0.4597



37.8197, 0.3153, 0.3648



18.8095, 0.3862, 0.4174



8.7270, 0.3157, 0.3700



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8560, 0.3188, 0.4597



32.0687, 0.3186, 0.4947



18.6213, 0.2903, 0.4233



5.2462, 0.3144, 0.3512



16.1970, 0.3082, 0.5935



0.0586, 0.3331, 0.5737

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.3012, 0.2991, 0.2164



14.9138, 0.2943, 0.1912



10.7591, 0.3471, 0.2511



4.7173, 0.3108, 0.3074



4.5646, 0.2724, 0.1274



0.0188, 0.2971, 0.1410

Previews

White Background



This preview shows how the Yxy color 18.8552, 0.3188, 0.4597 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.8552, 0.3188, 0.4597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

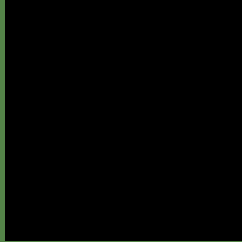
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8552, 0.3188, 0.4597

Background



This preview shows how black text looks on a background with the Yxy color 18.8552, 0.3188, 0.4597.



This preview shows how white text looks on a background with the Yxy color 18.8552, 0.3188, 0.4597.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.8552, 0.3188, 0.4597

Protanopia

18.7558, 0.3908, 0.4242

Deuteranopia

18.4857, 0.4029, 0.3956



Tritanopia

18.8494, 0.2694, 0.3092

Trichromacy



Original Color

18.8552, 0.3188, 0.4597

Protanomaly

18.4898, 0.3635, 0.4378

Deuteranomaly

18.3203, 0.3684, 0.4183

Tritanomaly

18.8323, 0.2878, 0.3624

Monochromacy



Original Color

18.8552, 0.3188, 0.4597

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.8234, 0.3155, 0.3759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8552, 0.3188, 0.4597 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(84, 132, 72)` looks like.

```
.text, #text, p{  
    color:rgb(84, 132, 72)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(84, 132, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 132, 72) }
```

Border

The CSS property to change the border of an element to Yxy 18.8552, 0.3188, 0.4597 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 132, 72) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(84, 132, 72) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(84, 132, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 132, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 132, 72);  
box-shadow:4px 4px 4px 4px rgb(84, 132,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8552, 0.3188, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 132, 72) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(84, 132,  
72) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor